

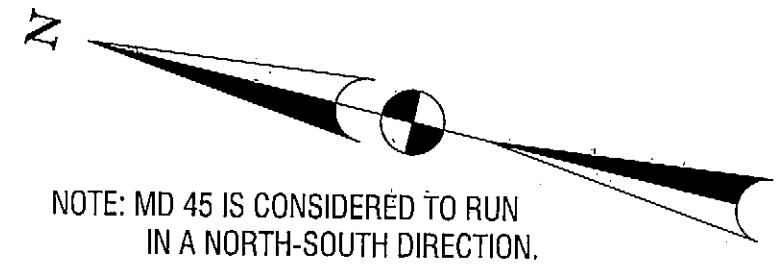
DRILL HOLES

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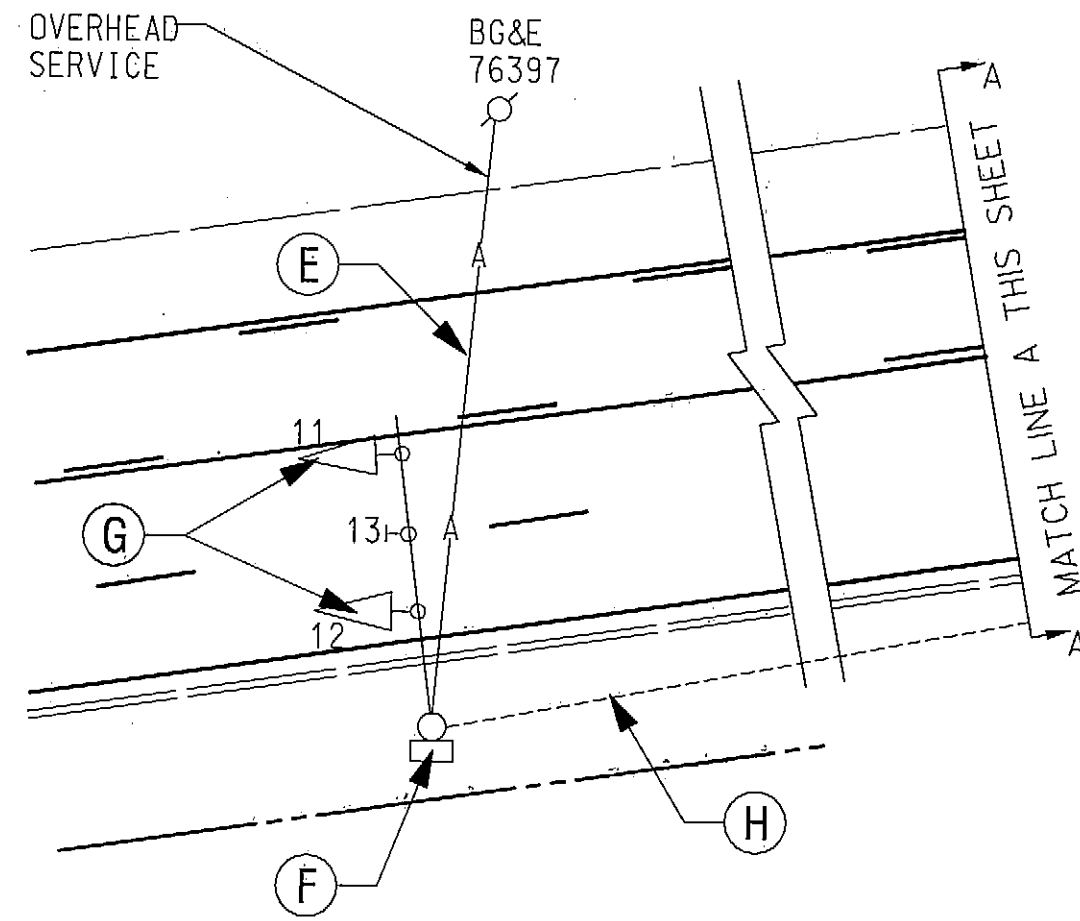
DRILL HOLES

BY: John Borkowski Division: P068 Highway Traffic GMA Emp

BORDER REV1 DATE: March 17, 2009



NOTE: MD 45 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.



LOVETON FARMS ROAD

GRASS MEDIAN

STONE WALL

LOVETON CIRCLE

GRASS MEDIAN

EXISTING SIGNS

9a, 10b
LOVETON CIRCLE
LOVETON FARMS RD

9b, 10a
LOVETON FARMS RD
LOVETON CIRCLE

13
SIGNAL AHEAD
PREPARE TO STOP
WHEN FLASHING

12' x 5'
ADVANCED WARNING SIGN
14
ONLY
R3-5R
(30" x 36")

EXISTING SIGNALS

1
12" R 8"
12" Y 8"
12" G 8"

2
12" R
12" Y
12" G

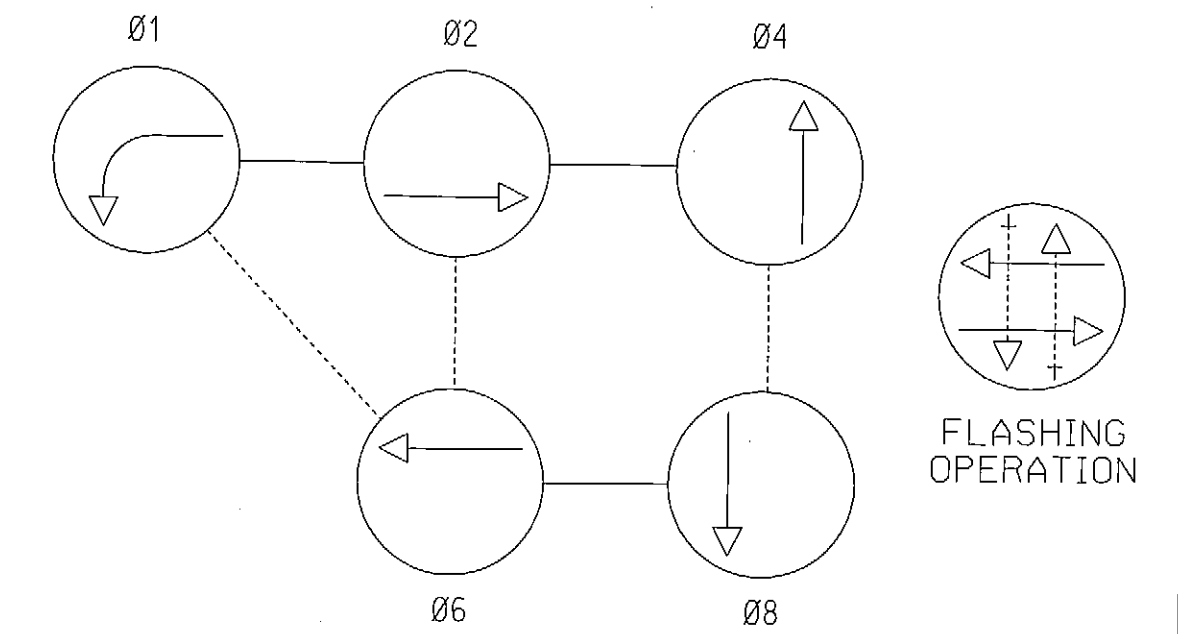
EXISTING SIGNALS TO BE REPLACED WITH LED MODULES

3, 4, 5, 6, 7, 8, 9
12" R
12" Y
12" G

11, 12
12" Y
12" G

a, b, c
EXISTING VIDEO
DETECTION

NEMA PHASING



PHASING NOTES:
1) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

MD 45 (YORK ROAD) (NBL)

MD 45 (YORK ROAD) (SBL)

CONSTRUCTION DETAILS

- INSTALL EMBEDDED METERED SERVICE PEDESTAL, (1-4" AND 2-2" CONDUIT BENDS)
- FURNISH AND INSTALL 2 INCH RIGID PVC CONDUIT - TRENCHED CONDUIT SHALL TIE INTO EXISTING SPARE ELBOW IN CABINET FOUNDATION.
- FURNISH AND INSTALL 4 INCH RIGID PVC CONDUIT - TRENCHED FOR SERVICE FEED BY BGE.
- REMOVE EXISTING SIZE '6' MOUNTED CABINET AND INSTALL PROPOSED SIZE 'S' BASE MOUNTED CABINET WITH UPS EQUIPMENT ON EXISTING FOUNDATION.
- CONTACT BGE TO REMOVE POWER SERVICE FEED.
- REWIRE CABINET SO POWER TO FLASHING BEACONS IS PROVIDED FROM THE LOVETON CIRCLE TRAFFIC SIGNAL CONTROLLER.
- INSTALL LED SIGNAL HEAD MODULES
- USE EXISTING CONDUITS AND HANDHOLES TO CONNECT PROPOSED CONTROLLER TO EXISTING H.I.B. CONTROLLER WITH 5 CONDUCTOR NO. 14 AWG CABLE. REMOVE EXISTING COMMUNICATIONS CABLE.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

ITEM NO.	QUANTITY	DESCRIPTION
9104	1 EACH	CONTROLLER CABINET, SIZE "S" WITH CONTROLLER, VIDEO INTERFACE EQUIPMENT 1-8 CAMERAS
9110	1 EACH	UPS EQUIPMENT FOR "S" CABINET

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8012	1 EACH	EMBEDDED METERED SERVICE PEDESTAL (100 AMP)
8014	1 EACH	INSTALL CONTROLLER AND CABINET - BASE MOUNT
8017	23 EACH	LED SIGNAL HEAD MODULES (ANY SIZE)
8024	1 EACH	REMOVE & DISPOSE OF MATERIAL AND EQUIPMENT (PER ASSIGNMENT)
8040	20 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8047	40 LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG - THHN/THWN
8057	1000 LF	ELECTRICAL CABLE 5 CONDUCTOR (NO. 14 AWG)
8065	1 EACH	INTERSECTION POLICE CONTROL

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD - STORM DRAIN
G - GAS MAIN
W - WATER MAIN
S - SEWER MAIN
E - ELECTRIC CABLES
A - AERIAL CABLES
T - TELEPHONE CABLES
F - FIBER-OPTIC

ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
KCI
TECHNOLOGIES
936 RIDGEBROOK ROAD
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TELEPHONE: (410) 316-7800
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TOD NO: XY137-04
SHA NO: BA035853
Baltimore County UPS Phase 2



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 45 AT LOVETON FARMS ROAD AND
LOVETON CIRCLE

TRAFFIC SIGNAL PLAN

SCALE: 1" = 20' ADVERTISED DATE: 04/19/92 CONTRACT NO. _____

DESIGNED BY: DERRICK DICKERSON COUNTY: BALTIMORE
DRAWN BY: DERRICK DICKERSON LOGMILE: 03004511.14
CHECKED BY: GENE SIMMONS TIMS NO: N/A
F.A.P. NO. _____ TOD NO. _____

TS NO. 3210-B DRAWING SG-1 OF 1 SHEET NO. 1 OF 1

PLOTTED: 09:38 AM on Tuesday, April 16, 2013
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